

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :					
Product line		: Explosion Proof Standard Efficiency Three-Phase		Product code : 10333032	
Frame	: B56CEX		Locked rotor time	: 27s (cold) 15s (hot)	
Output	: 0.5 HP (0.37 kW)		Temperature rise	: 80 K	
Poles	: 4		Duty cycle	: Cont.(S1)	
Frequency	: 60 Hz		Ambient temperature	: -20°C to +40°C	
Rated voltage	: 575 V		Altitude	: 1000 m.a.s.l.	
Rated current	: 0.650 A		Protection degree	: IP44	
L. R. Amperes	: 4.42 A		Cooling method	: IC411 - TEFC	
LRC	: 6.8x(Code K)		Mounting	: F-1	
No load current	: 0.500 A		Rotation <sup>1</sup>	: Both (CW and CCW)	
Rated speed	: 1755 rpm		Noise level <sup>2</sup>	: 50.0 dB(A)	
Slip	: 2.50 %		Starting method	: Direct On Line	
Rated torque	: 0.207 kgfm		Approx. weight <sup>3</sup>	: 15.6 kg	
Locked rotor torque	: 220 %				
Breakdown torque	: 330 %				
Insulation class	: B				
Service factor	: 1.15				
Moment of inertia (J)	: 0.0034 kgm <sup>2</sup>				
Output	50%	75%	100%	Foundation loads	
Efficiency (%)	70.0	75.5	77.5	Max. traction : 14 kgf	
Power Factor	0.52	0.64	0.73	Max. compression : 29 kgf	
		<u>Drive end</u>	<u>Non drive end</u>		
Bearing type	:	6203 ZZ	6203 ZZ		
Sealing	:	Without Bearing Seal	Without Bearing Seal		
Lubrication interval	:	-	-		
Lubricant amount	:	-	-		
Lubricant type	:	Mobil Polyrex EM			
Notes:					
This revision replaces and cancel the previous one, which must be eliminated. (1) Looking the motor from the shaft end. (2) Measured at 1m and with tolerance of +3dB(A). (3) Approximate weight subject to changes after manufacturing process. (4) At 100% of full load.			These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.		
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Customer : \_\_\_\_\_

### Thermal protection

ID	Application	Type	Quantity	Sensing Temperature
1	Winding	Thermostat - 2 wires	1 x Phase	130 °C

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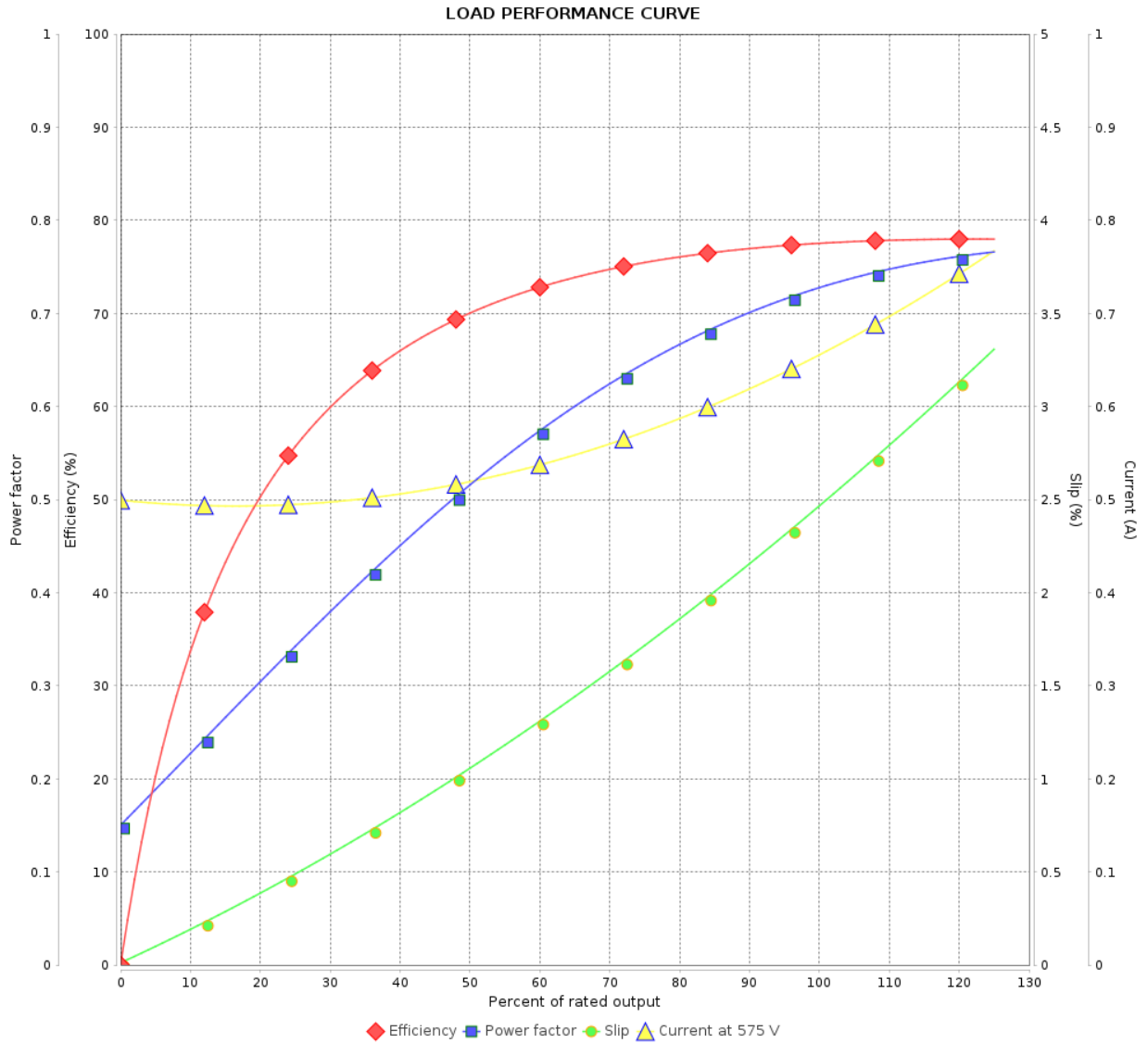
# LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : \_\_\_\_\_

Product line : Explosion Proof Standard Efficiency Three-Phase      Product code : 10333032



Performance : 575 V 60 Hz 4P

Rated current : 0.650 A  
 LRC : 6.8  
 Rated torque : 0.207 kgfm  
 Locked rotor torque : 220 %  
 Breakdown torque : 330 %  
 Rated speed : 1755 rpm

Moment of inertia (J) : 0.0034 kgm<sup>2</sup>  
 Duty cycle : Cont.(S1)  
 Insulation class : B  
 Service factor : 1.15  
 Temperature rise : 80 K

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